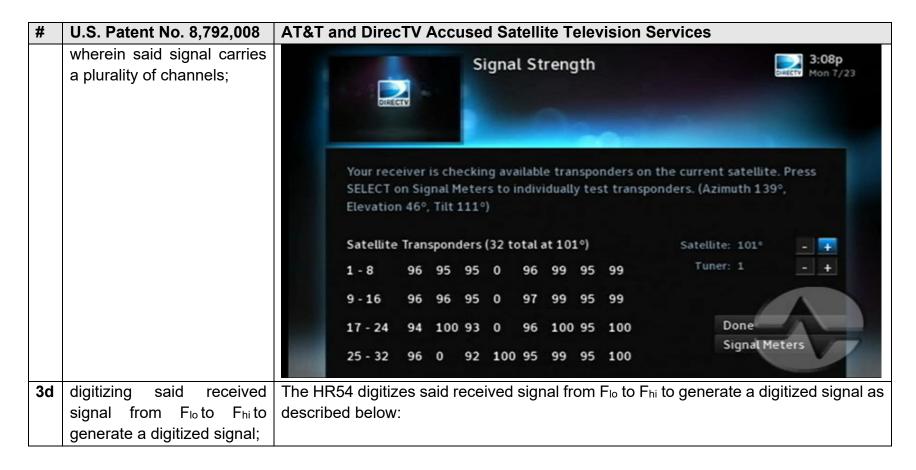
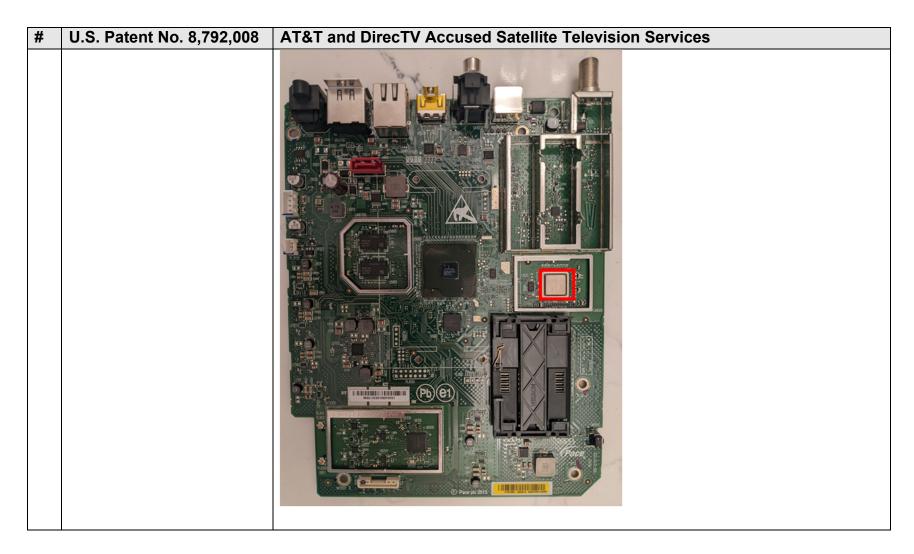
EXHIBIT F

Infringement of U.S. Patent No. 8,792,008 by AT&T and DirecTV Accused Satellite Television Services

#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
3a	A method comprising:	The Accused Satellite Television Services perform the claimed method utilizing, for
		example, monitoring devices such as the HR54 and HS17. By way of example, the
		HR54 is charted herein.
		GENIE™ HD DVR
		The DIRECTV Genie HD DVR is the most advanced DVR experience available and provides HD DVR service in every room without the need for additional receivers. A single Genie (models HR34, HR44, HR54, and above), together with Genie Minis (C51, C61, C61K, C61W, C41, C41W, C51,C61, C61K, and earlier models) or DIRECTV Ready TVs, can serve your entire home, allowing for more personalized viewing.
		This chapter provides information on the many features and benefits of DIRECTV Genie HD DVR and its companion Genie Minis.
		GENIE HD DVR - KEY FEATURES
		Record up to five programs simultaneously.
		 Store up to 200 hours of HD programming and 800 hours of SD total on the 1TB (terabyte) hard drive. (Actual recording capacity varies based on type of programming being recorded.)
		 Watch two shows at the same time with Picture In Picture.*
		 View live or recorded programming in up to four different rooms simultaneously (Genie Minis required).

#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
# 3b	performing by one or more circuits:	The HR54 has one or more circuits as described below:
3c	receiving a signal having a bandwidth that spans from a first frequency, F _{lo} , to a second frequency, F _{hi} ,	to a second frequency, F_{hi} , wherein said signal carries a plurality of channels as





#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
		 All-digital satellite receiver 256-kilobaud to 30-megabaud variable rate receiver Supports BPSK, QPSK, 8PSK, & 16QAM modulation Dual integrated 7-bit A/D converters Digital square-root Nyquist filters (a=0.2, 0.35) All-digital clock and carrier recovery 12-tap adaptive equalizer
		Technology Advantages:
		<u>Drives future TV:</u> leapfrogs current analog architecture by moving to digital and supporting up to 24 minimally spaced channels; opens up the ability to stream independent HD broadcast
		streams and IP services from a single cable to multiple connected devices, delivering next- generation satellite TV.
		<u>Simplifies installation and upgrades:</u> Broadcom's stacked channel technology allows single
		cable installation, which significantly reduces the cost and complexity for installs and upgrades
		with better home theater aesthetics for subscribers.
		<u>Full-Band Capture (FBC)</u> : Broadcom's digital tuning technology digitizes the entire spectrum
		enabling more efficient and flexible distribution of video streams and IP services.
		 <u>Lower system cost</u>: replaces multiple analog ODU chips with a single lower cost mixed signal
		chip.
3e	selecting a first portion of	The HR54 selects a first portion of said digitized signal as described below:
	said digitized signal;	

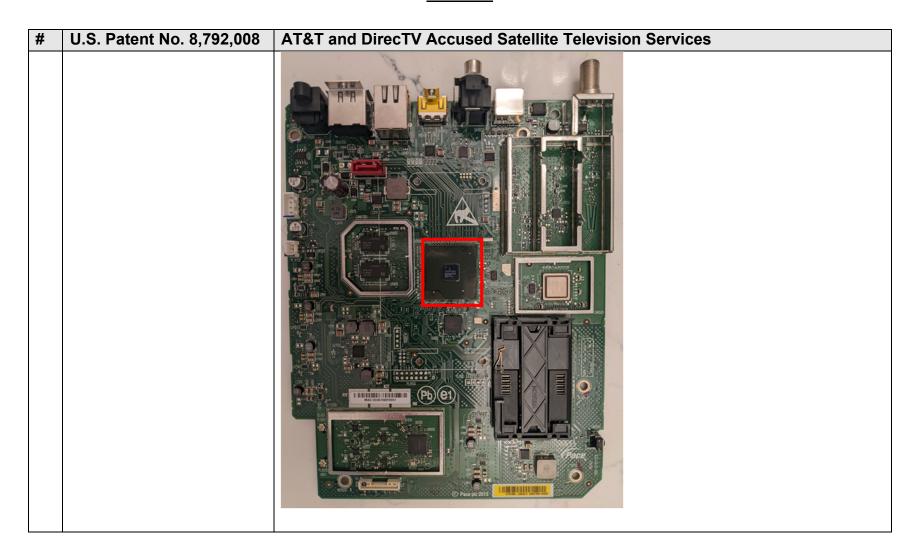
#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
		GENIE™ HD DVR
		The DIRECTV Genie HD DVR is the most advanced DVR experience available and provides HD DVR service in every room without the need for additional receivers. A single Genie (models HR34, HR44, HR54, and above), together with Genie Minis (C51, C61, C61K, C61W, C41, C41W, C51, C61, C61K, and earlier models) or DIRECTV Ready TVs, can serve your entire home, allowing for more personalized viewing.
		This chapter provides information on the many features and benefits of DIRECTV Genie HD DVR and its companion Genie Minis.
		GENIE HD DVR - KEY FEATURES
		Record up to five programs simultaneously.
		 Store up to 200 hours of HD programming and 800 hours of SD total on the 1TB (terabyte) hard drive. (Actual recording capacity varies based on type of programming being recorded.)
		 Watch two shows at the same time with Picture In Picture.*
		 View live or recorded programming in up to four different rooms simultaneously (Genie Minis required).
		(Genie User Guide, p. 98)
3f	selecting a second portion	The HR54 selects a second portion of said digitized signal as described below:
	of said digitized signal; and	

#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
		GENIE™ HD DVR
		The DIRECTV Genie HD DVR is the most advanced DVR experience available and provides HD DVR service in every room without the need for additional receivers. A single Genie (models HR34, HR44, HR54, and above), together with Genie Minis (C51, C61, C61K, C61W, C41, C41W, C51,C61, C61K, and earlier models) or DIRECTV Ready TVs, can serve your entire home, allowing for more personalized viewing. This chapter provides information on the many features and benefits of DIRECTV Genie HD DVR and its companion Genie Minis.
		GENIE HD DVR - KEY FEATURES
		 Record up to five programs simultaneously.
		 Store up to 200 hours of HD programming and 800 hours of SD total on the 1TB (terabyte) hard drive. (Actual recording capacity varies based on type of programming being recorded.)
		 Watch two shows at the same time with Picture In Picture.*
		 View live or recorded programming in up to four different rooms simultaneously (Genie Minis required).
3g	concurrently outputting said	The HR54 concurrently outputs said selected first portion and said selected second
	selected first portion and	portion as described below:
	said selected second	
	portion, wherein:	

#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
		GENIE™ HD DVR
		The DIRECTV Genie HD DVR is the most advanced DVR experience available and provides HD DVR service in every room without the need for additional receivers. A single Genie (models HR34, HR44, HR54, and above), together with Genie Minis (C51, C61, C61K, C61W, C41, C41W, C51, C61K, and earlier models) or DIRECTV Ready TVs, can serve your entire home, allowing for more personalized viewing.
		This chapter provides information on the many features and benefits of DIRECTV Genie HD DVR and its companion Genie Minis.
		GENIE HD DVR - KEY FEATURES
		Record up to five programs simultaneously.
		 Store up to 200 hours of HD programming and 800 hours of SD total on the 1TB (terabyte) hard drive. (Actual recording capacity varies based on type of programming being recorded.)
		 Watch two shows at the same time with Picture In Picture.*
		 View live or recorded programming in up to four different rooms simultaneously (Genie Minis required).
3h	said selected first portion is	The HR54 outputs said selected first portion to a signal analyzer which analyzes said
	output to a signal analyzer	selected first portion to determine one or more characteristics of the received signal,
	which analyzes said selected first portion to	and which reports said determined one or more characteristics to a source of said received signal as described below:
	selected first portion to determine one or more	received signal as described below.
	characteristics of the	
	received signal, and which	
	reports said determined one	

#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
	or more characteristics to a source of said received signal; and	SATELLITE
	3	This option is used by installers when your system is initially set up; you should not have to use it. However, you can use this screen to view your Receiver's satellite signal strength\or to repeat the satellite setup procedure.
		YOUR INTERNET CONNECTION
		Connecting your DIRECTV Receiver to the Internet and your home network gives you access to the full range of DIRECTV feature and content like:
		 Thousands of free and premium On Demand titles, some almost a month before they are available on Netflix and other streaming services.
		 TV Apps, including ScoreGuide, Weather, and What's Hot. Pandora, Music & Photos and more.
		Direct Connection
		Router DVR Receiver
		Ethernet cable connects to an unused port on the router Ethernet cable cable plugs into Receiver

#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
		Signal Strength Signal Strength Signal Strength
		Your receiver is checking available transponders on the current satellite. Press SELECT on Signal Meters to individually test transponders. (Azimuth 139°, Elevation 46°, Tilt 111°)
		Satellite Transponders (32 total at 101°) Satellite: 101°
		1-8 96 95 95 0 96 99 95 99 Tuner: 1 - +
		9-16 96 96 95 0 97 99 95 99
		17 - 24 94 100 93 0 96 100 95 100 Done
		25 - 32 96 0 92 100 95 99 95 100 Signal Meters
3i	said selected second	The HR54 outputs said selected second portion to a data processor for recovery of
	portion is output to a data	data carried on one or more of said plurality of channels as described below:
	processor for recovery of	
	data carried on one or more	
	of said plurality of channels.	



#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
		In the satellite STB market, Broadcom introduces four new 40nm SoC solutions that feature full HD (1080p60)
		decode and display), the latest transmission-efficient MPEG H.264 SVC and MVC standards for enabling
		1080p60/50 and full resolution HD 3DTV content distribution, an OpenGL ES 2.0 3D GPU for advanced 3D graphics,
		whole-home connectivity, and FastRTV™ fast channel change technology. The new SoC solutions include:
		 The Broadcom® BCM7344 single tuner HD AVC satellite receiver SoC with integrated MoCA® support for
		multi-room DVR applications.
		 The Broadcom BCM7346 dual tuner HD DVR AVC satellite receiver with integrated MoCA support for multi-
		room DVR applications.
		 The Broadcom BCM7354 single tuner HD AVC satellite receiver with integrated Ethernet MII and physical layer
		(PHY) capabilities for connectivity with Broadcom's Wi-Fi and powerline solutions.
		 The Broadcom BCM7356 dual tuner HD DVR AVC satellite receiver with integrated Ethernet MII and physical
		layer (PHY) capabilities for connectivity with Broadcom's Wi-Fi and powerline solutions.

#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
		GENIE™ HD DVR
		The DIRECTV Genie HD DVR is the most advanced DVR experience available and provides HD DVR service in every room without the need for additional receivers. A single Genie (models HR34, HR44, HR54, and above), together with Genie Minis (C51, C61, C61K, C61W, C41, C41W, C51,C61, C61K, and earlier models) or DIRECTV Ready TVs, can serve your entire home, allowing for more personalized viewing.
		This chapter provides information on the many features and benefits of DIRECTV Genie HD DVR and its companion Genie Minis.
		GENIE HD DVR - KEY FEATURES
		 Record up to five programs simultaneously.
		 Store up to 200 hours of HD programming and 800 hours of SD total on the 1TB (terabyte) hard drive. (Actual recording capacity varies based on type of programming being recorded.)
		 Watch two shows at the same time with Picture In Picture.*
		 View live or recorded programming in up to four different rooms simultaneously (Genie Minis required).
	T	
7a	The method of claim 3, wherein:	See above.

#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
7b	said received signal is a	Said received signal is a satellite television signal output by a low noise block
	satellite television signal	downconverter as described below:
	output by a low noise block	Signal Strength 3:08p
	downconverter; and	DIRECTV Mon 7/23
		Your receiver is checking available transponders on the current satellite. Press SELECT on Signal Meters to individually test transponders. (Azimuth 139°, Elevation 46°, Tilt 111°)
		Satellite Transponders (32 total at 101°) Satellite: 101°
		1-8 96 95 95 0 96 99 95 99 Tuner: 1 - +
		9-16 96 96 95 0 97 99 95 99
		17 - 24 94 100 93 0 96 100 95 100 Done
		25 - 32 96 0 92 100 95 99 95 100 Signal Meters
7c	said plurality of channels comprises a plurality of television channels.	Said plurality of channels comprises a plurality of television channels as described below:
		Welcome! Now that you're plugged in, it's time to start enjoying access to over 285
		(including over 190 full-time HD channels) channels of live and On Demand TV
		programming, satellite music and a huge selection of box office hits from DIRECTV $\mbox{CINEMA}\mbox{\ensuremath{\mathbb{R}}}.$

#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
9	The method of claim 3, wherein said one or more	Said one or more circuits reside in a customer premises gateway as described below: GENIE™ HD DVR
	circuits reside in a customer premises gateway.	The DIRECTV Genie HD DVR is the most advanced DVR experience available and provides HD DVR service in every room without the need for additional receivers. A single Genie (models HR34, HR44, HR54, and above), together with Genie Minis (C51, C61, C61K, C61W, C41, C41W, C51,C61, C61K, and earlier models) or DIRECTV Ready TVs, can serve your entire home, allowing for more personalized viewing. This chapter provides information on the many features and benefits of DIRECTV Genie HD DVR and its companion Genie Minis.
		GENIE HD DVR - KEY FEATURES Record up to five programs simultaneously.
		 Store up to 200 hours of HD programming and 800 hours of SD total on the 1TB (terabyte) hard drive. (Actual recording capacity varies based on type of programming being recorded.)
		 Watch two shows at the same time with Picture In Picture.*
		 View live or recorded programming in up to four different rooms simultaneously (Genie Minis required).
10	The method of claim 3, wherein a bandwidth and/or	The HR54 configurably selects a bandwidth and/or center frequency of the selected first portion of the digitized signal as described below:
	center frequency of said	
	selected first portion is configurable during	SWM works with the connected IRD's to provide only the specific content the IRD's tuner is requesting. The designated channel for each tuner contains the specific

#	U.S. Patent No. 8,792,008	AT&T and DirecTV Accused Satellite Television Services
	operation of said one or	programming each tuner is requesting. Tuners are assigned their individual channel
	more circuits.	during the IRD's programming guide acquisition phase.